

MIS 5214 – Security Architecture – Syllabus

Schedule:

Week	Date	Topic	Textbook & Other Reading	Assignments
1	1/15	Self-study Session	<p>Videos: http://education.isc2.org/concentration-webcast-series/</p> <ul style="list-style-type: none"> -Access Control Systems and Methodology -Communications and Network Security -Cryptography -Security Architecture Analysis -Technology Related Business Continuity Planning and Disaster Recovery Planning -Physical Security Considerations 	<p>Assignment 1. Security Architecture diagram for a small business (Security Consultancy of 50 people)</p> <p>Assignment 2. Read the article:</p> <p>Where is infrastructure headed in 2015 https://gigaom.com/2014/12/20/where-is-enterprise-infrastructure-headed-in-2015/</p> <p>How your hypothetical consulting firm in assignment 1 might be impacted by one of the expected trend</p>
2	1/22	Introduction to Security Architecture	<p>Sherwood:</p> <ul style="list-style-type: none"> • Part 1 Introduction • Chapters 1,2,3 	See details in class materials
3	1/29	Establishing the Security Architecture Business Context	<p>Sherwood:</p> <ul style="list-style-type: none"> • Chapters 5,6,7,8 	See details in class materials
4	2/5	Access Control Systems	<p>Sherwood:</p> <ul style="list-style-type: none"> • Part 2: Strategy and Planning • Chapter 9 	See details in class materials
5	2/12	Network Architecture	<p>Sherwood:</p> <ul style="list-style-type: none"> • Chapter 10 	See details in class materials

MIS 5206 – Protecting Information Assets - Syllabus

6	2/19	Application Architecture/Security Frameworks	Sherwood: • Chapter 10	See details in class materials Project Abstract and Outline Due
7	2/26	Review & Mid-Term Exam	Prepare for Mid-term Exam	Mid-Term Exam
8	3/5	Spring Break		
9	3/12	Enterprise Architecture	Sherwood: • Part 3: Design • Chapter 11	See details in class materials
10	3/19	Perimeter Defenses	Sherwood: • Chapter 12	See details in class materials
11	3/26	Defense-in-Depth	Sherwood: Chapter 13	See details in class materials
12	4/2	Mobile Security	Sherwood: • Part 4: Operations • Chapter 14	See details in class materials
13	4/9	Securing the Cloud	Sherwood: Chapter 15	See details in class materials
14	4/16	Advanced Persistent Threats/Offensive Techniques	Sherwood: Chapter 16	See details in class materials
15	4/23	Special Topics in Information Security	Sherwood: Chapter 17	See details in class materials Design Project Due
16	4/30	Final Exam	Prepare for Final Exam	Final Exam